

Material Safety Data Sheet

Prepared in accordance with 29 CFR 1910.1200

Prepared by CRushion on 10/27/99.

Section 1 - Product and Company Identification

Code:	314	Chemical Family:	Not Applicable	MSHA Hazardous Material Identification System	
Product Name:	The Brite II	Formula:	Not applicable.	Health:	2
Generic Description:	Foaming Shower/Bathroom/Disinfectant/Cleaner	Phone:	K&K (810) 771-3247	Flammability:	0
Supplier:	K & K Maintenance Supplies 30245 Hayes Rd Warren, MI 48093	Emergency phone:	# 586 800-535-5053	Reactivity:	0
				Personal Protection:	B

Section 2 - Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) Water	7732-18-5	>53	Not available.	Not available.
2) Phosphoric Acid	7664-38-2	<20	TWA: 1 (mg/m ³) from OSHA (PEL) [United States] STEL: 3 (mg/m ³)	Not available.
3) Citric Acid	77-92-9	<11	Not available.	Not available.
4) Nonionic Surfactant	61788-90-7	<11	Not available.	Not available.
5) Quaternary Ammonium Chloride	68424-95-3	1.56	Not available.	Not available.
6) Nonionic Surfactant	9016-45-9	<1.44	Not available.	Not available.
7) Perfume Oil	N/A	<1	Not available.	Not available.
8) Dye	N/A	<1	Not available.	Not available.

Section 3 - Physical and Chemical Properties

Boiling point	85°C (190.4°F)	Specific Gravity	1.06 (Water = 1)
Vapor Pressure	<0 mm of Hg (0 Torr)	Vapor density:	>1 (Air = 1)
Volatility	Not available.	pH	1.5 to 2 (Acidic)
Solubility	Soluble	Evaporation Rate	<1 compared to Water
Physical State and Appearance	Odor		
Liquid:	Green.	Pleasant.	

Section 5 - Reactivity Data

Stability	The product is stable.
Incompatibility	acids oxidizing agents
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

Section 4 - Fire/Explosion Hazards

Flash points (closed cup)	None to Boiling (TCC)	Explosion Limits	Not available.
Extinguishing media	Non-flammable substance.		
Fire-Fighting Measures	Wear full protective clothing. Use extinguishing media indicated.		
Explosion Hazards	Not applicable.		

Section 6 - Storage

Precautions to be taken in handling and storage

Avoid breathing vapors or spray mists.

Keep out of the reach of children. Not for use or storage in or around the home.

Section 7 - Health Hazards/ FIRST AID

Over-exposure by inhalation may cause respiratory irritation. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation.

Chronic Effects:

ROUTES OF ENTRY

Skin	Severe skin irritant. Prolonged or repeated contact can cause chemical burns or dermatitis.
Eyes	Severe eye irritant. Liquid and mist may burn or injure the eyes.
Inhalation	May be irritating to mucous membranes of the nose, throat, and lungs.
Ingestion	May be irritating to the mouth, throat, and gastrointestinal system. Nausea, vomiting, and diarrhea expected with large doses. May be fatal if swallowed.

FIRST AID MEASURES

Corrosive to eyes and skin. Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap for 15 minutes. Seek medical attention. Causes severe eye and skin irritation. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention. Evacuate the victim to a safe area as soon as possible. Seek medical attention.

DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.

Medical Conditions aggravated by Exposure: Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

Section 8 - Personal Protection

Protective Clothing	Ventilation
Eye/Face Protection: Splash goggles.	Good general ventilation should be sufficient to control airborne levels.
Hand/Arm Protection: Gloves (impermeable).	
Respiratory Protection: Wear appropriate respirator when ventilation is inadequate.	
Other Special Considerations: No special protective clothing is required.	

Section 9 - Large Spill and Leak

Methods for cleaning up Spill

Prevent entry into sewers, basements or confined areas. Avoid to runoff to sewers and waterways. Wear Protective Clothing. Absorb with inert material. Contact you local Emergency planning commission for further instructions.

SARA 313

SARA 313 toxic chemical notification and release reporting: Phosphoric Acid

Methods of disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

30245 Hayes
Warren, MI 48093
(313) 771-3247
Emergency Telephone: Infotrac (800) 535-9053

N.P.C.A. Rating Scale
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

Health: 1
Fire: 0
Reactivity: 0

Section 1 - IDENTIFICATION

Product Name: Janitor John's LI[®] Slister RTU Acid Free Disinfectant
Chemical Family: Water Based Cleaner
Proper D.O.T. Shipping Name: Liquid Cleaning Compound

Date Prepared: 10-25-02

Section 2 - INGREDIENTS/IDENTITY INFORMATION

(Hazardous Ingredients as Defined by OSHA, 29 CFR 1910.1200)

% By Wgt.	Material	PEL	TLV	C.A.S. No.
<10%	Diethylene glycol monocetyl ether	N/E	N/E	112-34-3
<5%	Ethylhexadecylacetate	N/E	N/E	Mixture
<5%	Sodium Metasilicate, pentahydrate	N/E	N/E	6834-92-0
<6%	Nonylphenol	N/E	N/E	68439-46-3
<1%	Allyl Dimethyl Ammonium Chloride (C12-18)	N/E	N/E	68391-01-5
<1%	Alkyl dimethyl (ethylhexyl) ammonium chloride (C12-18)	N/E	N/E	68956-79-6

ITEMS MARKED * ARE SARA TITLE III REPORTABLES. ALL INGREDIENTS ARE ON TSCA INVENTORY.

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	212° F
SPECIFIC GRAVITY	1.01
EVAPORATION RATE (WATER = 1)	1
SOLUBILITY IN WATER	Complete
APPEARANCE AND ODOR	Blue Liquid, Pleasant Fragrance
pH	11.7

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT (TCC): >201° F
FLAMMABLE LIMITS - N/A (LEL: N/A UEL: N/A)
EXTINGUISHING MEDIA - Water or suitable material for primary source of fire
SPECIAL FIRE FIGHTING PROCEDURES - None UNUSUAL FIRE AND EXPLOSION HAZARD - None known

SECTION 5 - REACTIVITY DATA

STABILITY - Stable CONDITIONS TO AVOID - None known
INCOMPATIBILITY (MATERIALS TO AVOID) - Strong oxidizing agents
HAZARDOUS DECOMPOSITION OR BYPRODUCTS - Upon decomposition, may yield poisonous gases including oxides of nitrogen and ammonia.
HAZARDOUS POLYMERIZATION - Will not occur
CONDITIONS TO AVOID - None

SECTION 6 - HEALTH HAZARD DATA

ROUTES OF ENTRY: EYES (X) SKIN (X) INGESTION (X) INHALATION ()
HEALTH HAZARDS (ACUTE AND CHRONIC):
ACUTE: Causes eye irritation. CHRONIC: None known based on OSHA Criteria
CARCINOGENICITY; NTP, IARC MONOGRAPHS, OSHA REGULATED? No
SIGNS AND SYMPTOMS OF EXPOSURE - Eyes: Direct contact will cause irritation. Skin: Prolonged skin contact will cause irritation.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - None known.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Immediately flush eyes with plenty of water. Contact a physician.
SKIN: Flush skin with plenty of water. Contact a physician if irritation occurs.
SWALLOWING: Get immediate medical attention or advice.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED - Absorb spilled material and sweep up.
WASTE DISPOSAL METHOD - Dispose of in accordance with all applicable regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING - Wash thoroughly after handling. Avoid freezing or excessive heat.
OTHER PRECAUTIONS: Do not mix with other chemicals.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION - Not required with normal usage.
VENTILATION - Normal room ventilation.
PROTECTIVE GLOVES - Rubber gloves or other impervious gloves recommended.
EYE PROTECTION - Avoid contact with eyes.

This product is not regulated under CERCLA or RCRA. This product is not reportable under SARA Title III Section 311/312.
N/A = Not Applicable N/E = Not Established

Prepared By: Cindy Schroeder, Director of Research